

HYDRAULIC SYSTEM FOR A MOTOR VEHICLE

ABSTRACT OF THE DISCLOSURE

1 The piston in the master cylinder of a hydraulic system
2 of the kind that is used particularly in motor vehicles is made
3 of a duroplastic polymer material.

List of Reference Symbols

- 1 master cylinder
- 2 housing
- 3 piston
- 4 double-headed arrow

- 6 piston surface
- 7 frontal end surface of piston
- 8 pressure compartment
- 9 primary seal
- 10 secondary seal
- 11 rear portion of housing
- 12 space holder
- 13 seal ring body
- 14 sealing collar
- 15 sealing lip
- 16 inlet compartment
- 17 inlet port
- 18 sealing surface
- 19 internal projection

- 21 pressure port
- 22 piston rod
- 23 ball joint
- 24 first end-stop plate
- 25 holder bracket
- 26 second end-stop plate

- 31 stepped bore hole
- 32 first step

33 second step
34 front end of piston
35 depression
36 snifting groove

90 pressure-limiting valve
91 clutch release device
93 slave cylinder
94 release mechanism
95 clutch
96 combustion engine
97 crankshaft
98 transmission input shaft
99 hydraulic conduit
100 hydraulic conduit
101 mechanical link
102 actuating member